ORDER NO. SD81071979C1

Service Manual

Hi-Fi Speaker System

SB-G900

[MC]

Area

* [MC] is available in Canada.

Specifications

(Specifications are subject to change without notice for further improvement.)
Weights and dimensions shown are approximate.

Type:	4 way 5 speaker system
Speakers:	Woofer: 41 cm, (16-1/8''), cone type
	Midrange: 18 cm, (7-3/32''), cone type
	Tweeter: 6.5 cm, (2-9/16''), cone type
	Super Tweeter: 1.4 cm, (5/8''), Dome type x 2
Impedance:	8 ohms
Input Power:	300W, Music
Output Sound Pressure Level:	99 dB/W (1.0 m)
Crossover Frequency:	250 Hz, 2,500 Hz, 10,000 Hz
Frequency Range:	35 Hz ~ 25 kHz (–20 dB)
Dimensions:	46.4(W) x 72.0(H) x 31.0(D) cm
	18-1/4'' (W) x 28-11/32'' (H) x 12-7/32'' (D)
Weight:	17.5 kg (38.5 lb.)

Technics

Panasonic Canada
Division of Matsushita Electric of Canada Limited
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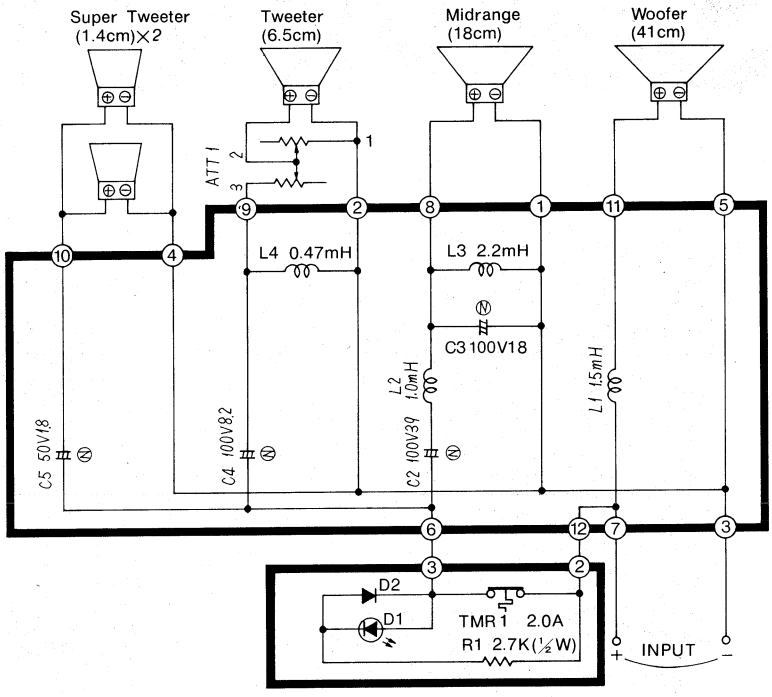
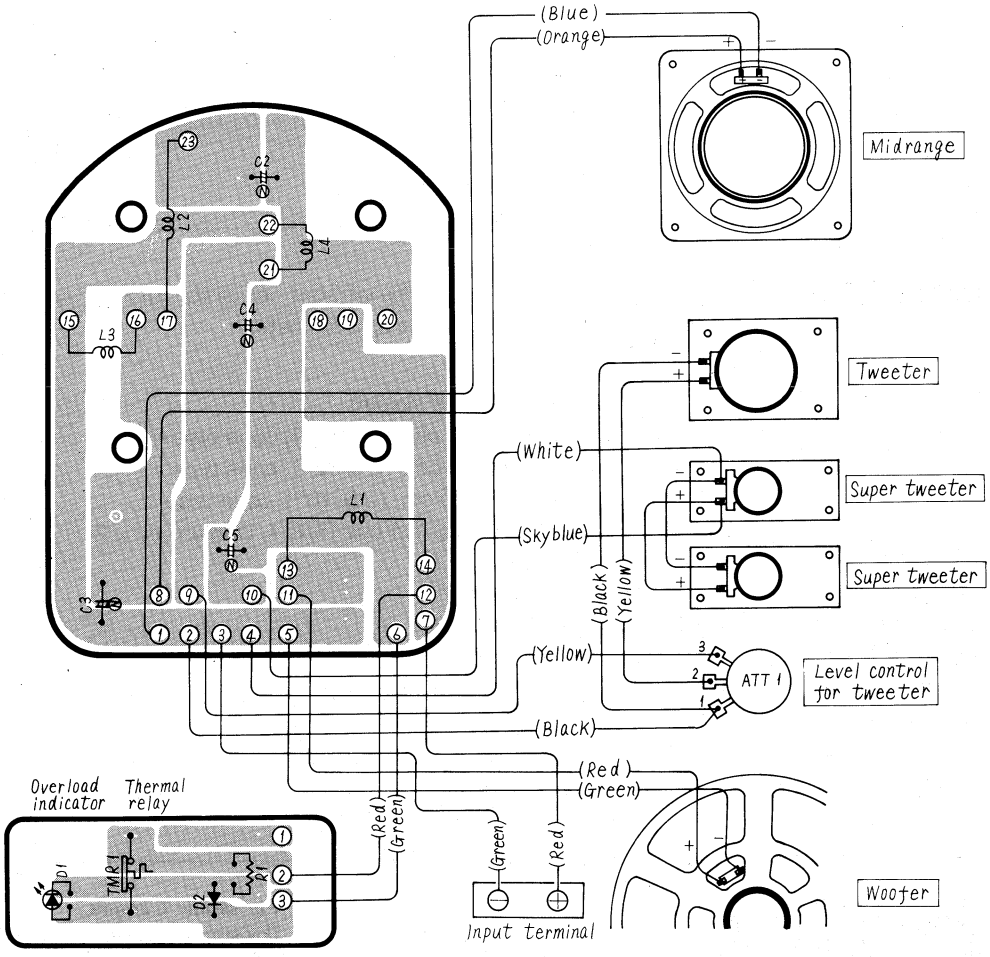
Mississauga, Ontario
L4W 2T3

■ SCHEMATIC DIAGRAM

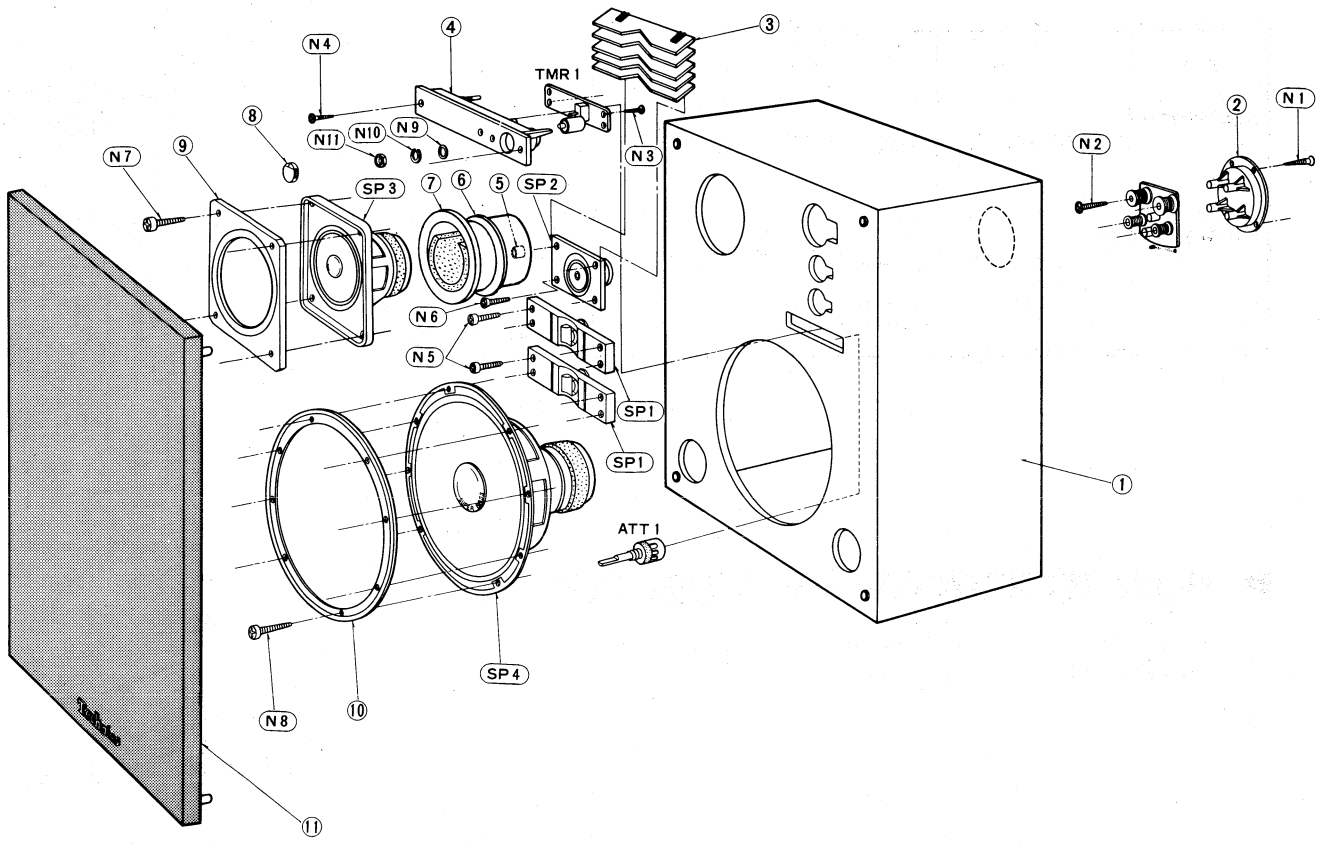
(This schematic diagram may be modified at any time with the development of new technology)



■ CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM



■ EXPLODED VIEW



■ REPLACEMENT PARTS LIST

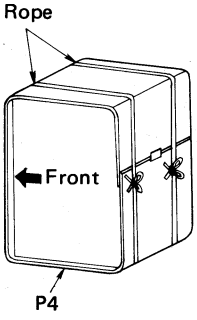
Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.

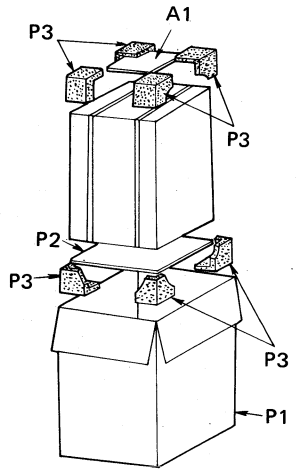
Ref. No.		Part No.	Part Name & Description
SPEAKERS			
SP1		EAS14HH04S	Speaker, Super Tweeter
SP2		EAS10PH33S	Speaker, Tweeter
SP3		EAS18PM37S	Speaker, Midrange
SP4		SASS38PL01–T	Speaker, Woofer
DIODES			
D1		LN21CP	Light Emitting Diode
D2		**MA162A**	Diode
COILS			
L1		SLCSB152JU	Coil 1.5mH
L2		SLCSC102JU	Coil 1.0mH
L3		SLCE222K–1D	Coil 2.2mH
L4		SLCSC471KU	Coil 0.47mH
RESISTOR			
R1		**ERD50FJ272**	Resistor, Carbon ½W, 2.7kΩ
CAPACITORS			
C2		ECEA100Y39K	Electrolytic Capacitor, 100V, 39μF
C3		ECEA100Y18K	Electrolytic Capacitor, 100V, 18μF
C4		ECEA100Y8R2K	Electrolytic Capacitor, 100V, 8.2μF
C5		ECEA50Y1R8K	Electrolytic Capacitor, 50V, 1.8μF

Ref. No.		Part No.	Part Name & Description
ATTENUATOR			
ATT1		SRES2	Attenuator, Tweeter
BREAKER			
TMR1		SSBS20AB02–1	Breaker, Thermal Relay, 2A
CABINET PARTS			
1		SKABG900MC	Cabinet
2		SWTBG900MC	Terminal Ass'y
3		SYES23	Diffuser, Tweeter
4		SGES63	Panel, Attenuator
5		SHG1435	Bushing, Midrange
6		SHRS9046	Spacer, Midrange
7		SUVS3	Cover, Midrange
8		SBNS5	Knob
9		SYES24	Ornament, Midrange
10		SGES62	Spacer, Woofer
11		SYBS67	Grille
SCREWS			
N1		XMS31+D13FZ	Screw, Terminal
N2		XTB4+35B	Screw
N3		**XTB3+8B**	Screw
N4		XMS31+20FZ	Screw, Attenuator
N5		SNES9006FJ	Screw, Super Tweeter
N6		**XTB4+20BFZ**	Screw, Tweeter
N7		SNES9003–2FJ	Screw, Midrange
N8		SNES9003–2FZ	Screw, Woofer
N9		XWG9E15	Washer, Attenuator
N10		**XWV9**	Washer, Attenuator
N11		**XNS9**	Nut, Attenuator

■ PACKINGS

Ref. No.		Part No.	Part Name & Description
ACCESSORIES			
A1		SQFS143	Instructions Book
PACKING PARTS			
P1		SPGS101–3	Carton Box
P2		SPSS6124	Pad, Bottom
P3		SPSS9014	Pad, Corner
P4		SPJS2	Polyethylen Sheet





■ HOW TO REMOVE THE TWEETER

Remove the diffuser by sliding it up as shown in Fig. 1. Then the speaker can be removed.

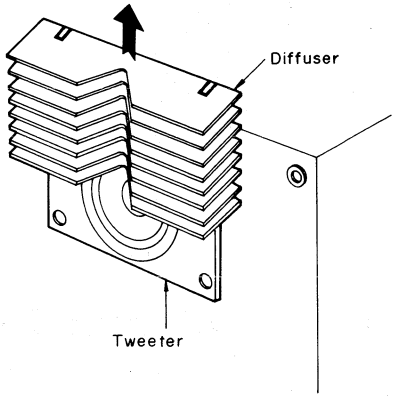


Fig. 1

■ HOW TO REMOVE THE SPEAKER PROTECTION CIRCUITRY

1. Remove the level control knob.
   (Insert a rope between the knob and name plate by using tweeters or the like as shown in Fig. 2. When the rope reaches the back of the knob as in Fig. 3, pull it to remove the knob.)
2. Remove the nut of the attenuator for level control and the name plate screws and then draw out the speaker protection circuitry. (Fig. 4)

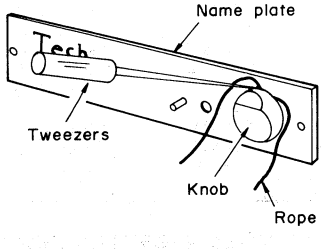


Fig. 2

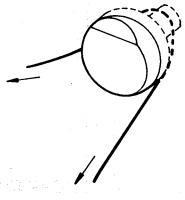


Fig. 3

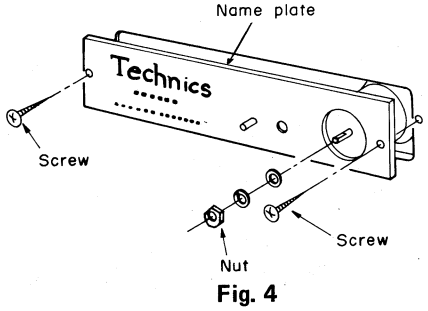


Fig. 4

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ORDER NO. SD81080029P7

Parts Change Notice

File this bulletin with your Service manual

MODEL NO: SB-G900 [PA],[PC],[PAM],[XA]

ORDER NO: SD81071978C9

FILE No. SB-G900(XA)–2

Subject: Change of Parts Number.

Please revise the original parts list in the Service Manual to conform to the change(s) shown herein. If new part numbers are shown, be sure to use them when ordering parts.

❶ Reason for Change

1	Improve performance
2	Change of material
3	Change of dimension
4	To meet approved specification
5	Standardization
6	Addition
7	Deletion
8	Correction
9	Other ( )

❷ Interchangeability Code

Parts	Set Production	
A	Original → Early New → Late	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
B	Original → Early New → Late	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.
C	Original → Early New → Late	New parts only may be used in early or late production sets. Stock new parts.
D	Original → Early New → Late	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.

Part Number

❶	❷	Ref. No.	Original Part No.	New Part No.	Part Name & Descriptions
7	C	L1	SLCSB152JU	SLCSE152JU	Coil, 1.5mH

Technics

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